

Special Issue

Epigenetics of Metabolic Diseases

Message from the Guest Editor

Diabetes is a complex metabolic condition that is influenced by both genetic and environmental factors. Recent advances have shed light on the role of epigenetics in the pathogenesis of diabetes and its complications. This special issue explores new insights into how epigenetic changes impact the onset, progression, and management of diabetes and its associated complications, such as cardiovascular disease, nephropathy, and retinopathy. We invite original research articles, reviews, and perspectives on various aspects of epigenomics (DNA methylation, histone modifications, non-coding RNAs, and chromatin remodeling) in relation to diabetes pathophysiology. Key topics include the identification of epigenetic biomarkers, the influence of environmental factors on the epigenome, therapeutic strategies targeting epigenetic alterations, and the interaction between genetic and epigenetic factors in diabetes. Overall, this special issue aims to deepen our understanding of the epigenomic landscape in diabetes and contribute to improved diagnostic and therapeutic approaches.

Guest Editor

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